1. My answer will be higher than the correct one 2. When the sign of DH changes this means the chemist reversed the equation 2. I'm more experimental errors are produced, the percent yield decreses U. 1.00 kg of Fe Sz 1000 g FeSz | 1 mol of FeSz = 8.333 moles of FeSz Zmoles the Sch = 16.67 16.67 moig/Hzsay 98.19 Hzsay = 1635, 5 Hzsay = 1.635×10 g =1.649 Hz Soy 5. 100.09 Fe and Hizsoy 100.0. I mole = 1.79 moles to 100:09 HzSOy I mole 1.02 m/s HzSoy

SS.89Fe 1897 1801 98.19 HzSOy 6. 25 g each reactant -> 2.50 of HF 258 CaFz, 1mol = 0.32 moles cafz Cafz: 0,32 mols 259/ [mol = 0.25 moles Hz SOy 125 . ZHF = O. Somdes HF 0. Somoles, 70.09 HF = 109 HF 1 made 7.59 (100) = 25%

8.
$$Cu+Cl_z \rightarrow CuCl_z$$

 $+ cucl_z + \frac{1}{2}cl_z \rightarrow cucl_z$
 $- cu+cl_z + \frac{1}{2}cl_z \rightarrow cucl_z$
 $- cu+\frac{3}{2}cl_z \rightarrow cucl_z$

9.
$$\Delta H = -206.0 \text{KJ}$$

 $\Delta H = -776.8 \text{KJ} + 1$
 $\Delta H = -982.8 \text{KJ} + 1$